

COMPUTER MET MESSAGE

For use of this form, see FM 3-09.15; the proponent agency is TRADOC

IDENTIFI- CATION METCM	OCTANT Q	LOCATION LaLaLa or xxx	LoLoLo or xxx	DATE YY	TIME (GMT) G ₀ G ₀ G ₀	DURATION (HOURS) G	STATION HEIGHT (10's M) hhh	MDP PRESSURE MB P _d P _d P _d
METCM								
ZONE HEIGHTS METERS	LINE NUMBER ZZ	ZONE VALUES						
		WIND DIRECTION (10s M) ddd	WIND SPEED (KNOTS) FFF	TEMPERATURE (1/10°K) TTTT	PRESSURE (MILLIBARS) PPPP			
SURFACE	00							
200	01							
500	02							
1000	03							
1500	04							
2000	05							
2500	06							
3000	07							
3500	08							
4000	09							
4500	10							
5000	11							
6000	12							
7000	13							
8000	14							
9000	15							
10000	16							
11000	17							
12000	18							
13000	19							
14000	20							
15000	21							
16000	22							
17000	23							
18000	24							
19000	25							
20000	26							
FROM TO		DATE AND TIME (GMT)			DATE AND TIME (LST)			
MESSAGE NUMBER		RECORDER			CHECKED			

COMPUTER MET MESSAGE IS ENCODED AS FOLLOWS

1. The message is arranged in groups to be conveniently transmitted by radio or teletypewriter.

2. Information data: In the first group, the first five letters denote that the message is a computer message and the digit denotes the Q code of the global octant of the met station. The next group of six digits denotes the location of the met station in degrees and tenths of degrees. When 9 of the Q code is used, the six digits denote the clear or coded location of the met station. The third group digits denotes the day of the month, time of commencement of validity in hours and tenths of hours (Greenwich mean time), and duration of validity in hours from 1 to 8; code figure 9 indicates 12 hours. (Note: US forces will always use 0, since period of validity is not predicted.) The first three digits of the fourth group denote the height of the met station (met datum plane) above sea level in multiples of 10 meters. The succeeding groups of eight digits are zone values, two groups of each line of the message.

3. The following specimen message was transmitted by radio:

```
METCM1  347983    081450    123903
00451025 29310903
01454027 29200892
.....
```

EXPLANATION:

Group 1	Computer message. Met station located in global octant 1 (N latitude, 90°-180° longitude W.)
Group 2	Center of the area of applicability of the message (station location) is 34° 42'N; 98° 18'W.
Group 3	8th day of the month. Valid time commences at 1430 hours GMT. Period of validity is not predicted by US units.
Group 4	Met station is 1,230 meters above MSL. The MDP pressure is 903 millibars.
Group 5 & 6	At the surface (line 00), the wind direction is 4,510 mils and the wind speed is 25 knots. The surface temperature is 293.1 K°, and surface pressure is 903 millibars.
Group 7 & 8	For line 01 (0-200 meters), the zone wind direction is 4,540, mils and wind speed is 27 knots. Zone temperature is 292.0 K°, and zone pressure is 892 millibars.

Q Code for Octant of Globe

0 - North latitude	0 - 90 west longitude
1 - " "	90 - 180 west "
2 - " "	180 - 90 east "
3 - " "	90 - 0 east "
4 - Not used	

5 - South latitude	0 - 90 west longitude
6 - " "	90 - 180 west "
7 - " "	180 - 90 east "
8 - " "	90 - 0 east "
9 - Used when the location of the meteorological station is not indicated by latitude and longitude.	